

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A polymer dispersion comprising

a polymer,

water, and

a surfactant;

wherein said polymer comprises and has incorporated therein in polymerized form:

an unsaturated silane (i) selected from the group consisting of

vinyltrimethoxysilane, vinyltriethoxysilane,

vinyltri(2-methoxyethoxy)silane, vinylmethyldimethoxysilane,

vinylmethyldiethoxysilane, and combinations thereof,

an organo silane (ii) selected from the group consisting of

methyltrimethoxysilane, n-propyltrimethoxysilane,

n-propyltriethoxysilane, n-propyltri(2-methoxyethoxy)silane,

isobutyltrimethoxysilane, isobutyltriethoxysilane,

n-hexyltrimethoxysilane, n-octyltrimethoxysilane,

n-octyltriethoxysilane, iso-octyltrimethoxysilane,

isooctyltriethoxysilane, n-hexadecyltrimethoxysilane and

combinations thereof, and

a monomer selected from the group consisting of methyl methacrylate,

butyl acrylate, butylmethacrylate, acrylic acid and combinations

thereof;

wherein said polymer dispersion is obtained by polymerization of a monomer

dispersion comprising:

said unsaturated silane (i),

said organo silane (ii),

said monomer,

said surfactant, and

said water;

wherein in said monomer dispersion:

a weight ratio of said monomer to said water is from 40:60 to 55:45,

said water has a surfactant content of from 8.8% to 15% by weight of said water, and

an amount of said unsaturated silane (i) and said organo silane (ii) ranges from 0.2 to 1.5% by weight, based on the weight of said monomer.

Claim 2 (Previously Presented): A process for preparing said polymer dispersion of claim 1, the process comprising:

mixing said monomer, said unsaturated silane (i) and said organo silane (ii) to form a mixture,

dispersing said mixture in surfactant-comprising water to form said monomer dispersion, and

carrying out a polymerization to form said polymer.

Claim 3 (Cancelled).

Claim 4 (Previously Presented): The process of claim 2, wherein in said mixture and said monomer dispersion, said unsaturated silane (i) is used in a weight ratio to said organo silane (ii) of from 99.9:0.1 to 0.1:99.9.

Claim 5 (Previously Presented): The process of claim 2, wherein in said mixture and said monomer dispersion, said unsaturated silane (i) is
said vinyltriethoxysilane.

Claim 6 (Previously Presented): The process of claim 5,
wherein in said mixture and said monomer dispersion,
said organo silane (ii) is
n-propyltriethoxysilane.

Claim 7 (Previously Presented): A polymer dispersion comprising
a polymer,
water, and
a surfactant;
wherein said polymer comprises and has incorporated therein in polymerized form:
an unsaturated silane (i) selected from the group consisting of
vinyltrimethoxysilane, vinyltriethoxysilane,
vinyltri(2-methoxyethoxy)silane, vinylmethyldimethoxysilane,
vinylmethyldiethoxysilane, and combinations thereof,
an organo silane (ii) selected from the group consisting of
methyltrimethoxysilane, n-propyltrimethoxysilane,
n-propyltriethoxysilane, n-propyltri(2-methoxyethoxy)silane,
isobutyltrimethoxysilane, isobutyltriethoxysilane,
n-hexyltrimethoxysilane, n-octyltrimethoxysilane,

n-octyltriethoxysilane, isoctyltrimethoxysilane,
isoctyltriethoxysilane, n-hexadecyltrimethoxysilane and
combinations thereof, and
a polymeric precursor stage selected from the group consisting of
a precursor stage of a polyacrylate, a precursor stage of a
polymethacrylate, a precursor stage of a polystyrene acrylate, a
precursor stage of a polyvinyl alcohol, a precursor stage of a polyvinyl
acetate and combinations thereof;
wherein said polymer dispersion is obtained by polymerization of a monomer
dispersion comprising:
said unsaturated silane (i),
said organo silane (ii),
said polymeric precursor stage,
said surfactant, and
said water;
wherein in said monomer dispersion:
a weight ratio of said polymeric precursor stage to said water is from 40:60 to
55:45,
said water has a surfactant content of from 8.8% to 15% by weight of said
water, and
an amount of said unsaturated silane (i) and said organo silane (ii) ranges from
0.2 to 1.5% by weight, based on the weight of said polymeric precursor stage.

Claim 8 (Previously Presented): A polymer dispersion obtained by the process of
claim 2.

Claim 9 (Canceled).

Claim 10 (Previously Presented): A method for preparing an adhesive, or a sealant, or an ink or a paint, the method comprising:
adding said polymer dispersion of claim 1 to a concrete primer.

Claim 11 (Previously Presented): An article comprising:
said polymer dispersion of claim 1.

Claim 12 (Previously Presented): The polymer dispersion of claim 1, wherein said monomer is a combination of at least two of methyl methacrylate, butyl acrylate, butyl methacrylate and acrylic acid.

Claim 13 (Previously Presented): The polymer dispersion of claim 1, wherein in said monomer dispersion, said unsaturated silane (i) is vinyltriethoxysilane and said organo silane (ii) is n-propyltriethoxysilane.

Claim 14 (Currently Amended): The polymer dispersion of claim 1, wherein wherein said monomer dispersion further comprises a silicic ester of the general formula (III),



wherein groups R^3 are identical or different and R^3 is an alkoxy group selected from the group consisting of methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy and isobutoxy; and

wherein the silicic ester of the general formula (III) is incorporated into said polymer during polymerization so that said polymer comprises, in polymerized form, said silicic ester of the general formula (III).

Claim 15 (Currently Amended): The process polymer dispersion of claim 7, wherein said polymeric precursor stage is said precursor stage of a polyacrylate.

Claim 16 (Currently Amended): The process polymer dispersion of claim 7, wherein said polymeric precursor stage is said precursor stage of a polymethacrylate.

Claim 17 (Currently Amended): The process polymer dispersion of claim 7, wherein said polymeric precursor stage is said precursor stage of a polystyrene acrylate.

Claim 18 (Cancelled).

Claim 19 (Currently Amended): The process polymer dispersion of claim 7, wherein said polymeric precursor stage is said precursor stage of a polyvinyl alcohol.

Claim 20 (Currently Amended): The process polymer dispersion of claim 7, wherein said polymeric precursor stage is said precursor stage of a polyvinyl acetate.

Claim 21 (Previously Presented): The polymer dispersion of claim 13, wherein in said monomer dispersion, said monomer is selected from the group consisting of butyl acrylate, methyl methacrylate, methacrylic acid, and combinations thereof.

Claim 22 (Previously Presented): The polymer dispersion of claim 21, wherein in said monomer dispersion, said monomer is a combination of butyl acrylate, methyl methacrylate, and methacrylic acid.

Claim 23 (Previously Presented): The polymer dispersion of claim 1, wherein said surfactant is selected from the group consisting of octylphenol ethoxylate, nonylphenol ethoxylate, dodecylphenol ethoxylate, and combinations thereof.

Claim 24 (Previously Presented): The polymer dispersion of claim 7, wherein said surfactant is selected from the group consisting of octylphenol ethoxylate, nonylphenol ethoxylate, dodecylphenol ethoxylate, and combinations thereof.